

0240

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/489,394DATE: 02/15/2000
TIME: 15:36:04

Input Set: I489394.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

P.S. #
5

1 <110> APPLICANT: Genentech, Inc., Hsei, Vanessa
2 Koumenis, Iphigenia
3 Leong, Steven R.
4 Shahrokh, Zahra
5 Zapata, Gerardo A.
6 <120> TITLE OF INVENTION: ANTIBODY FRAGMENT-POLYMER CONJUGATES AND USES OF SAME
7 <130> FILE REFERENCE: P1085R6
8 <140> CURRENT APPLICATION NUMBER: US/09/489,394
9 <141> CURRENT FILING DATE: 2000-01-21
10 <150> EARLIER APPLICATION NUMBER: US 60/116,787
11 <151> EARLIER FILING DATE: 1999-01-21
12 <160> NUMBER OF SEQ ID NOS: 72
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15 <212> TYPE: DNA
16 <213> ORGANISM: Mus musculus
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19 <210> SEQ ID NO 2
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23 <400> SEQUENCE: 2
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25 <210> SEQ ID NO 3
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28 <213> ORGANISM: Mus musculus
29 <400> SEQUENCE: 3
30 gaagttgatg tcttgtgagt ggc 23
31 <210> SEQ ID NO 4
32 <211> LENGTH: 24
33 <212> TYPE: DNA
34 <213> ORGANISM: Mus musculus
35 <400> SEQUENCE: 4
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37 <210> SEQ ID NO 5
38 <211> LENGTH: 22
39 <212> TYPE: DNA
40 <213> ORGANISM: Mus musculus
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42 cactggctca gggaaataac cc 22
43 <210> SEQ ID NO 6
44 <211> LENGTH: 22

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45 <212> TYPE: DNA
46 <213> ORGANISM: Mus musculus
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49 <210> SEQ ID NO 7
50 <211> LENGTH: 35
51 <212> TYPE: DNA
52 <213> ORGANISM: Mus musculus
53 <400> SEQUENCE: 7
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55 <210> SEQ ID NO 8
56 <211> LENGTH: 35
57 <212> TYPE: DNA
58 <213> ORGANISM: Mus musculus
59 <400> SEQUENCE: 8
60 acaaacgcgt acgctgatat tgtcatgact cagtc 35
61 <210> SEQ ID NO 9
62 <211> LENGTH: 35
63 <212> TYPE: DNA
64 <213> ORGANISM: Mus musculus
65 <400> SEQUENCE: 9
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67 <210> SEQ ID NO 10
68 <211> LENGTH: 37
69 <212> TYPE: DNA
70 <213> ORGANISM: Mus musculus
71 <400> SEQUENCE: 10
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73 <210> SEQ ID NO 11
74 <211> LENGTH: 39
75 <212> TYPE: DNA
76 <213> ORGANISM: Mus musculus
77 <400> SEQUENCE: 11
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79 <210> SEQ ID NO 12
80 <211> LENGTH: 39
81 <212> TYPE: DNA
82 <213> ORGANISM: Mus musculus
83 <400> SEQUENCE: 12
84 cgatgggcccg ggatagactg atggggctgt cgaaaaa 39
85 <210> SEQ ID NO 13
86 <211> LENGTH: 39
87 <212> TYPE: DNA
88 <213> ORGANISM: Mus musculus
89 <400> SEQUENCE: 13
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91 <210> SEQ ID NO 14
92 <211> LENGTH: 39
93 <212> TYPE: DNA
94 <213> ORGANISM: Mus musculus

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95 <400> SEQUENCE: 14
96 cgatggccc ggatagacag atgggctgt tgtttggc 39
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98 <211> LENGTH: 39
99 <212> TYPE: DNA
100 <213> ORGANISM: Mus musculus
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103 <210> SEQ ID NO 16
104 <211> LENGTH: 369
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106 <213> ORGANISM: Mus musculus
107 <400> SEQUENCE: 16
108 gacattgtca tgacacagt tcaaaaattc atgtccacat cagtaggaga 50
109 cagggtcagc gtcacctgca aggccagtca gaatgtgggt actaatgttag 100
110 cctggtatca acagaaacca gggcaatctc ctaaagcact gatttactcg 150
111 tcatacctacc ggtacagtgg agtccctgat cgcttcacag gcagtggtac 200
112 tgggacagat ttcaactctca ccatacgcca tgtgcagtct gaagacttgg 250
113 cagactatctt ctgtcagcaa tataacatct atccctctcac gttcgtcct 300
114 gggaccaagc tggagttgaa acgggctgat gctgcaccac caactgtatc 350
115 catttccca ccattcgaa 369
116 <210> SEQ ID NO 17
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118 <212> TYPE: PRT
119 <213> ORGANISM: Mus musculus
120 <400> SEQUENCE: 17
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122 1 5 10 15
123 Gly Asp Arg Val Ser Val Thr Cys Lys Ala Ser Gln Asn Val Gly
124 20 25 30
125 Thr Asn Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys
126 35 40 45
127 Ala Leu Ile Tyr Ser Ser Ser Tyr Arg Tyr Ser Gly Val Pro Asp
128 50 55 60
129 Arg Phe Thr Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile
130 65 70 75
131 Ser His Val Gln Ser Glu Asp Leu Ala Asp Tyr Phe Cys Gln Gln
132 80 85 90
133 Tyr Asn Ile Tyr Pro Leu Thr Phe Gly Pro Gly Thr Lys Leu Glu
134 95 100 105
135 Leu Lys Arg Ala Asp Ala Ala Pro Pro Thr Val Ser Ile Phe Pro
136 110 115 120
137 Pro Phe Glu
138 123
139 <210> SEQ ID NO 18
140 <211> LENGTH: 417
141 <212> TYPE: DNA
142 <213> ORGANISM: Mus musculus
143 <400> SEQUENCE: 18
144 ttctattgct acaaacgcgt acgctgaggt gcagctgggt gagtctgggg 50

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145 gaggcttagt gccgcctgga gggccctga aactctcctg tgcagccct 100
146 ggattcatat tcagtagtta tggcatgtct tgggttcgcc agactccagg 150
147 caagagcctg gagttggtcg caaccattaa taataatggt gatagcacct 200
148 attatccaga cagtgtgaag ggccgattca ccattctccc agacaatgcc 250
149 aagaacaccc tgtacctgca aatgagcagt ctgaagtctg aggacacagc 300
150 catgtttac tgtgcaagag ccctcattag ttcggctact tggttgggt 350
151 actggggcca agggactctg gtcactgtct ctgcagccaa aacaacagcc 400
152 ccatctgtct atccggg 417

153 <210> SEQ ID NO 19
154 <211> LENGTH: 130
155 <212> TYPE: PRT
156 <213> ORGANISM: Mus musculus
157 <400> SEQUENCE: 19

158 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Pro Pro Gly
159 1 5 10 15
160 Gly Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Ile Phe Ser
161 20 25 30
162 Ser Tyr Gly Met Ser Trp Val Arg Gln Thr Pro Gly Lys Ser Leu
163 35 40 45
164 Glu Leu Val Ala Thr Ile Asn Asn Asn Gly Asp Ser Thr Tyr Tyr
165 50 55 60
166 Pro Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala
167 65 70 75
168 Lys Asn Thr Leu Tyr Leu Gln Met Ser Ser Leu Lys Ser Glu Asp
169 80 85 90
170 Thr Ala Met Phe Tyr Cys Ala Arg Ala Leu Ile Ser Ser Ala Thr
171 95 100 105
172 Trp Phe Gly Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ala
173 110 115 120
174 Ala Lys Thr Thr Ala Pro Ser Val Tyr Pro
175 125 130

176 <210> SEQ ID NO 20
177 <211> LENGTH: 31
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <221> NAME/KEY: Artificial Sequence
182 <222> LOCATION: 1-31
183 <223> OTHER INFORMATION: recombinant immunoglobulin
184 <400> SEQUENCE: 20
185 acaaacgcgt acgctgatat cgtcatgaca g 31

186 <210> SEQ ID NO 21
187 <211> LENGTH: 31
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <221> NAME/KEY: Artificial Sequence
192 <222> LOCATION: 1-31
193 <223> OTHER INFORMATION: recombinant immunoglobulin
194 <400> SEQUENCE: 21

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195 gcagcatcag ctcttcgaag ctccagcttg g 31
196 <210> SEQ ID NO 22
197 <211> LENGTH: 21
198 <212> TYPE: DNA
199 <213> ORGANISM: Escherichia coli
200 <400> SEQUENCE: 22
201 ccactagtac gcaagttcac g 21
202 <210> SEQ ID NO 23
203 <211> LENGTH: 33
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <221> NAME/KEY: Artificial Sequence
208 <222> LOCATION: 1-33
209 <223> OTHER INFORMATION: recombinantimmunoglobulin
210 <400> SEQUENCE: 23
211 gatggccct tggggaggc tgccatggaca gtg 33
212 <210> SEQ ID NO 24
213 <211> LENGTH: 714
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <221> NAME/KEY: Artificial Sequence
218 <222> LOCATION: 1-714
219 <223> OTHER INFORMATION: recombinant immunoglobulin
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221 atgaagaaga atatcgatt tcttcttgc tctatgttcg ttttttat 50
222 tgctacaaac gcgtacgctg atatcgat gacacagtct caaaaattca 100
223 tgtccacatc agtaggagac agggtcagcg tcacactgcaa ggccagtcag 150
224 aatgtggta ctaatgttagc ctggtatcaa cagaaaaccag ggcaatctcc 200
225 taaaggactg atttactcgat catcctaccg gtacagtggc gtccctgatc 250
226 gcttcacagg cagtggatct gggacagatt tcactctcac catcagccat 300
227 gtgcagtctg aagacttggc agactatttc tgtcagcaat ataacatcta 350
228 tcctctcacg ttccgtcctg ggaccaagct ggagcttcga agagctgtgg 400
229 ctgcaccatc tgttccatc ttcccggcat ctgatggca gttgaatct 450
230 ggaactgctt ctgttgtgtg cctgctgaat aacttctatc ccagagaggc 500
231 caaagtacag tggaaagggtt ataaccccct ccaatcggtt aactcccagg 550
232 agagtgtcac agagcaggac agcaaggaca gcacctacag cctcagcagc 600
233 accctgacgc tgagcaaagc agactacgag aaacacaaag tctacgcctg 650
234 cgaagtccacc catcaggccc tgagctcgcc cgatcacaag agcttcaaca 700
235 ggggagatgt taa 714
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237 <211> LENGTH: 237
238 <212> TYPE: PRT
239 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <221> NAME/KEY: Artificial Sequence
242 <222> LOCATION: 1-237
243 <223> OTHER INFORMATION: recombinant immunoglobulin
244 <400> SEQUENCE: 25

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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VERIFICATION SUMMARY
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Line ? Error/Warning

Original Text

1305 W "N" or "Xaa" used: Feature required

catggtagat gtnnsactta tttacac 27